5.3 Dividing Polynomials (Part 1)

Dividing a polynomial by a monomial

* Divide each term in the numerator by the denominator
* Divide the coefficients
* Subtract the exponents

9x5 + 6x3 - 12x = 9x5 + 6x3 - 12x

3x 3x 3x 3x

= 3x4 + 2x2 - 4